

Title (en)

Planographic printing plate precursor, substrate for the same and surface hydrophilic material

Title (de)

Flachdruckplattenvorläufer, Substrat dafür und hydrophiles Oberflächenmaterial

Title (fr)

Précurseur d'une plaque lithographique, substrat pour ladite plaque et matériau de surface hydrophile

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Application

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Abstract (en)

A planographic printing plate precursor comprises a substrate having disposed thereon a hydrophilic layer which includes hydrophilic graft chains and a crosslinked structure formed through hydrolytic polycondensation of an alkoxide of an element selected from Si, Ti, Zr and Al. An aluminum substrate for a planographic printing plate includes a hydrophilic surface which is formed by a hydrophilic polymer including a functional group that chemically bonds to the aluminum substrate directly or is chemically bindable to the aluminum substrate via structural component having a crosslinking structure. A surface-hydrophilic member comprises a substrate having disposed thereon a hydrophilic layer, wherein the hydrophilic layer includes hydrophilic graft chains and a crosslinked structure formed through hydrolytic polycondensation of an alkoxide of an element selected from Si, Ti, Zr and Al.

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